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BOROUGH OF



GRAVESEND



ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR 1967

G. P. MERSON
M.B., Ch.B., D.P.H.
Medical Officer of Health

HEALTH COMMITTEE 1967

THE MAYOR (Alderman A. J. Coles J.P.)

Alderman C. A. White, J.P. (Chairman)

Alderman Mrs. G. M. Batson, J.P.

Alderman Miss A. E. H. Johnson (Vice-Chairman)

Councillor F. G. K. Bowles

Councillor R. Farthing

Councillor L. H. Hardy

Councillor K. C. W. Pearson

Councillor A. J. Shuttlewood

Councillor A. G. Durbridge

Councillor B. Black, J.P.

HEALTH DEPARTMENT STAFF

Medical Officer of Health

GEORGE POLSON MERSON, M.B., Ch.B., D.P.H.

Chief Public Health Inspector

K. MCINTYRE, M.A.P.H.I.

Deputy Chief Public Health Inspector

K. V. SPROAT, M.A.P.H.I.

District Public Health Inspectors

B. L. M. CLARK, M.A.P.H.I.

J. WANN, M.A.P.H.I.

Pupil Public Health Inspector

B. GILMOUR

(Resigned 14th May, 1967)

A. ASSHETON

(Commenced 1st September, 1967)

Clerical and Ancillary Staff

MISS G. PUTTIFER

MRS J. WELLS

MISS C. BRIGGS

H. GREENSLADE

C. A. PORT

G. ROWE

HEALTH DEPARTMENT

CIVIC CENTRE

GRAVESEND

MR. MAYOR, MR. CHAIRMAN, LADIES AND GENTLEMEN,

I beg to present my Report on the Public Health, Sanitary Circumstances and Vital Statistics for the Borough of Gravesend for the year 1967.

As can be seen from the figures the Gravesend figures follow the national trend closely. There was a slight decrease in the birth rate (1966, 22.21 - 1967, 19.35) and also a slight decrease in the death rate (1966, 10.15 - 1967, 9.5).

The population of Gravesend was estimated in 1967 to be 54,930, an increase of 680 over 1966. There were 1,063 live births in the Borough and 522 deaths - a decrease in the number of births and a decrease in the number of deaths.

There was no outbreak of any serious disease during the year and the health of the inhabitants can only be described as good.

I gratefully acknowledge my indebtedness to the Chairman and Members of the Health and Licensing Committee for the support and consideration they have kindly extended to me throughout the year. I should also like to express my thanks to all the members of the Health Department for their loyal and efficient support, and to my colleagues in other departments of the Council for their assistance and help.

I am, Mr. Mayor, Mr. Chairman, Ladies and Gentlemen

Your obedient Servant

G. P. MERSON

Medical Officer of Health

STATISTICS AND SOCIAL CONDITIONS OF THE BOROUGH

Area of the Borough (acres)	..	..	..	4,619
Registrar-General's estimate of the Population	..			54,930
Number of separate inhabited houses (at 31.3.68)	..			16,846
Rateable Value (at 31.3.68)	..	..	..	£2,037,750
Sum represented by a Penny Rate	..	..	..	£8,159
Rates (to 31st March, 1968)	-	11s. 10d.	in the £	
Number of Dwelling Houses built during 1967				
Borough Council	Number of Units completed			257
Private Enterprise	Number of Units completed			146
				<u>403</u>

REGISTERED LIVE BIRTHS

	Males	Females	Total
Legitimate	501	497	998
Illegitimate	33	32	65
Total live births	<u>534</u>	<u>529</u>	<u>1,063</u>

Crude Birth Rate per 1,000 population - 19.35

STILL BIRTHS

	Males	Females	Total
Legitimate	11	10	21
Illegitimate	1	1	2
	<u>12</u>	<u>11</u>	<u>23</u>

Still Birth Rate - i.e. Rate per
1,000 total (live and still) births - 19.80

Still Birth Rate per 1,000 population - 0.40

REGISTERED DEATHS - All causes at all ages - 522

Males	Females	Total
270	252	522

Crude Death Rate per 1,000 population - 9.5
(The previous year it was 10.15)

DEATHS FROM PUERPERAL CAUSES - Nil

NATURAL INCREASE IN POPULATION (Excess of Births over Deaths) .. 541

INFANT DEATHS - under 1 year of age

	Males	Females	Total
Legitimate Infants ..	10	9	19
Illegitimate Infants ..	<u>1</u>	<u>2</u>	<u>3</u>
	<u>11</u>	<u>11</u>	<u>22</u>

DEATH RATE OF INFANTS UNDER 1 YEAR OF AGE

Infant Mortality Rate, i.e. All infants per 1,000 live births .. 20.69
Legitimate infants per 1,000 legitimate live births .. 19.03

NEO-NATAL MORTALITY RATE (deaths under 4 weeks per 1,000 total live births) .. 9.41

EARLY NEO-NATAL MORTALITY RATE (deaths under 1 week per 1,000 total live births) .. 8.46

PERINATAL MORTALITY RATE (stillbirths and deaths under 1 week combined per 1,000 total live and stillbirths, .. 28.54

COMPARATIVE BIRTH AND DEATH RATES

Rates	Gravesend	England and Wales
Birth Rate	17.80	17.20
Death Rate	11.30	11.20
Infant Mortality Rate ..	18.34	18.30
Still Birth Rate ..	0.40	0.25

BOROUGH OF GRAVESEND

BIRTHS AND DEATHS

BIRTH AND DEATH RATES FOR LAST TEN YEARS

	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Number of births	855	911	1,040	1,069	1,177	1,178	1,153	1,235	1,205	1,063
Crude Birth Rate (per 1,000 population)	18.32	18.83	21.18	20.86	22.66	22.12	21.15	22.62	22.21	19.35
Number of deaths	485	497	501	502	527	552	531	551	551	522
Crude Death Rate (per 1,000 population)	10.39	10.27	10.20	9.80	10.14	10.36	9.90	10.10	10.10	9.50

**CAUSES OF DEATH IN GRAVESEND FOR 1967
AS PROVIDED BY THE REGISTRAR GENERAL**

			Male	Female	Total
1.	Tuberculosis, Respiratory	.. ..	2	-	2
2.	Tuberculosis Other forms	.. ..	-	-	-
3.	Syphilitic disease	.. ..	1	1	2
4.	Diphtheria	.. ..	-	-	-
5.	Whooping Cough	.. ..	-	-	-
6.	Meningococcal infections	.. ..	-	-	-
7.	Acute poliomyelitis	.. ..	-	-	-
8.	Measles	.. ..	-	-	-
9.	Other infective and parasitic diseases		1	1	2
10.	Malignant neoplasm, stomach	.. ..	5	6	11
11.	Malignant neoplasm lung, bronchus	.. ..	23	7	30
12.	Malignant neoplasm, breast	.. ..	-	12	12
13.	Malignant neoplasm uterus	.. ..	-	6	6
14.	Other malignant and lymphatic neoplasms		28	29	57
15.	Leukaemia, aleukamia	.. ..	5	-	5
16.	Diabetes	.. ..	2	1	3
17.	Vascular lesions of nervous system	.. ..	21	48	69
18.	Coronary disease angina	.. ..	71	47	118
19.	Hypertension with heart disease	.. ..	3	3	6
20.	Other heart disease	.. ..	16	30	46
21.	Other circulatory disease	.. ..	11	14	25
22.	Influenza	.. ..	1	-	1
23.	Pneumonia	.. ..	19	12	31
24.	Bronchitis	.. ..	19	1	20
25.	Other diseases of respiratory system	.. ..	3	1	4
26.	Ulcer of stomach and duodenum	.. ..	2	1	3
27.	Gastritis enteritis and diarrhoea	.. ..	1	3	4
28.	Nephritis and nephrosis	.. ..	2	-	2
29.	Hyperplasia of prostate	.. ..	7	-	7
30.	Pregnancy childbirth, abortion				
31.	Congenital malformations	.. ..	5	1	6
32.	Other defined and ill-defined diseases		10	21	31
33.	Motor vehicle accidents	.. ..	5	4	9
34.	All other accidents	.. ..	3	1	4
35.	Suicide	.. ..	3	2	5
36.	Homicide and operations of war	.. ..	1	-	1
			<hr/> 270	<hr/> 252	<hr/> 522

INFECTIOUS DISEASE NOTIFIED DURING 1967

Disease	Under one year	One and under 3 years	3 and under 5 years	5 and under 10 years	10 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 years and over	Total	Number Removed to Hospital
Ophthalmia Neonatorum	-	-	-	-	-	-	-	-	-	-	-
Dysentery	-	2	2	4	1	-	7	-	-	16	-
Erysipelas	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning	-	-	-	-	-	-	-	-	-	-	-
Measles	40	266	293	241	11	1	2	-	-	854	-
Meningococcal Infection	-	-	-	-	-	-	-	-	-	-	-
Pneumonia	-	-	-	-	-	1	-	1	-	2	-
Acute Poliomyelitis	-	-	-	-	-	-	-	-	-	-	-
Non Paralytic	-	-	-	-	-	-	-	-	-	-	-
Puerperal Pyrexia	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-
Whooping Cough	2	3	3	5	-	-	1	-	-	14	-
Respiratory Tuberculosis	-	-	-	-	-	6	9	7	2	24	18
Non-Respiratory Tuberculosis	-	-	-	-	-	1	2	1	-	4	2
	42	271	298	250	12	9	21	9	2	914	20

MATERNITY AND CHILD WELFARE

NOTIFICATION OF BIRTHS

The number of live and still births occurring in Gravesend during the year was 1,211. After correction for those whose usual residence is elsewhere (i.e. 195 transferred "out" and 70 transferred "in"), the number properly belonging to the Borough was 1,086 (1,063 live births and 23 still births) compared with 1,226 in the previous year.

PARTICULARS OF BIRTHS OCCURRING IN GRAVESEND

Total number of live and still births occurring in Gravesend		1 211
Number of live births actually belonging to Gravesend	993	
Number of still births actually belonging to Gravesend	23	
Number of live births (non-residents)	190	
Number of still births (non-residents)	<u>5</u>	
		1 211

NUMBER OF BIRTHS OCCURRING IN HOSPITAL

	Live Births	Still Births
Number of infants born in Hospital (residents)	574	29
Number of infants born in Hospital - (non-residents)	190	5

ATTENDANCE AT CHILD WELFARE CENTRES

The attendances at the four Welfare Centres during the year were -

(a)	Individual children under 1 year of age	.. ..	960
(b)	Individual children between 1 and 5 years	.. ..	2,182
(c)	Total number of attendances of all children under 5 years	..	16,411

For the year 1966 the figures were:-

(a)	1,064
(b)	2,245
(c)	20,166

ANTE NATAL CLINICS

Ante Natal clinics are held at Wrotham Road, Whitehill, "The Nest" and at Riverview Park. A total number of 447 expectant mothers attended and the total attendances were 1 885.

SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLY

PUBLIC DRINKING SUPPLIES

The Medway Water Board supply water to the Borough.

The water has been satisfactory -

(a) in quantity

(b) in quality

The water is hard and there is no evidence of plumbo-solvent action.

BACTERIOLOGICAL EXAMINATION

Samples were taken at regular intervals and were found to be satisfactory with the exception of five.

Number of samples taken . 46

CHEMICAL ANALYSIS

One sample of treated water was taken and reported to be satisfactory.

Note: Tabulated summaries of all water samples taken and results of examination are shown on pages 34, 35, 36, 37, 38 and 39.

CORPORATION BATHING POOL

During the 1967 season the following persons used the Pools:-

Bathers and Spectators	..	..	97,544
Schoolchildren	..	..	33,734
Season Ticket and Pass Holders	..	..	18,296
Club Members	..	..	6,948
National Sea Training School	..	..	-
Old Age Pensioners	..	..	482
			<hr/>
			157,004
			<hr/>

HYGIENIC ARRANGEMENTS AT BATHING POOL

The Medical Officer of Health has continued to keep the hygienic arrangements at the Pool under supervision. "Breakpoint Chlorination" which was put into operation in 1948, appears to be working efficiently.

BACTERIOLOGICAL EXAMINATION OF BATHING POOL WATER

Fifteen samples were taken from the Corporation pool and 31 from school pools. See tabulated summary on pages 37 38 and 39.

SLIPPER BATHS

The Slipper Baths at the Corporation Bathing Pool were opened in January 1949.

There are separate sections for males and females - 7 baths being allocated to males and 3 to females.

PREVALENCE AND CONTROL OVER INFECTIOUS AND "OTHER DISEASES"

DIPHTHERIA IMMUNISATION

The following is a return of the number of children resident in the Borough who were immunised during the year ended 31st December, 1967.

Year of Birth	Primary		Reinforcing	
	Triple	Diph./Tet	Triple	Diph./Tet.
1967	425	10	-	-
1966	514	9	4	1
1965	27	-	465	51
1964	10	3	108	26
1963	10	3	11	43
1960 - 1962	9	4	90	374
1951 - 1959	3	-	3	11
	998	29	681	506

SMALLPOX PREVENTION

Vaccination is carried out at the Kent County Council Clinics and by General Practitioners.

The following is a return of the number of persons who were vaccinated against Smallpox at the Kent County Council Clinics during the year ended 31st December, 1967.

Primary
Vaccination
1 year

679

Re-Vaccination
School Age
but under 8 years

51

POLIOMYELITIS VACCINATION

The following table gives the number of persons resident in the Borough who received immunisation against Poliomyelitis during the year ended 31st December, 1967.

Year of Birth	Primary	Reinforcing
1967	179	"
1966	617	"
1965	66	"
1964	19	"
1963	17	2
1960 - 1962	22	604
1951 - 1959	4	12
	924	618

NOTIFICATION OF NEW CASES OF TUBERCULOSIS

In 1967, 28 fresh cases were notified. The following table gives comparative particulars over the last ten years.

Year	Estimated Population of Registrar General	Pulmonary	Non- Pulmonary	Total
1958	46,660	27	1	28
1959	48,370	29	3	32
1960	49,110	21	5	26
1961	51,240	20	3	23
1962	51,950	26	6	32
1963	53,250	13	4	17
1964	53,590	14	6	20
1965	54,550	14	6	20
1966	54,250	11	6	17
1967	54,930	24	4	28

The sources from which the notifications of Tuberculosis were received

Chest Physicians	25
Private Medical Practitioners	1
Hospitals and Institutions	2

AGE AND SEX DISTRIBUTION OF TUBERCULOUS PATIENTS

The following table shows the age and sex distribution of the 28 new cases:

Age Periods	Pulmonary		Non-Pulmonary	
	Male	Female	Male	Female
0 - 1	-	-	-	-
2 - 4	-	-	-	-
5 - 9	-	-	-	-
10 - 14	-	-	-	-
15 - 19	2	1	-	-
20 - 24	2	-	2	-
25 - 34	1	-	4	1
35 - 44	2	-	2	1
45 - 54	2	1	3	-
55 - 64	1	-	1	-
65 & over	2	-	-	-
	12	2	12	2

TUBERCULOSIS DEATHS AND DEATH RATE

There were 2 deaths registered from Pulmonary Tuberculosis. This gives a death rate of .03 per 1,000 population for all forms of tuberculosis.

The following table compares the figures for 1967 with those of previous years.

Year	Pulmonary		Non-Pulmonary		TOTAL Rate per 1,000 Pop
	Number of deaths	Rate per 1,000 Pop	Number of deaths	Rate per 1,000 Pop	
1958	5	.11	2	.04	.15
1959	5	.10	-	-	.10
1960	9	.18	-	-	.18
1961	10	.19	-	-	.19
1962	8	.15	-	-	.15
1963	3	.05	-	-	.05
1964	5	.09	-	-	.09
1965	1	.01	1	.01	.02
1966	3	.05	-	-	.05
1967	2	.03	-	-	.03

TUBERCULOSIS REGISTER

The names of 36 persons were removed from the register for the following reasons:-

Deaths	..	..	..	..	6
Left the District	..	..	..	..	5
Recovered	..	..	..	..	25
Diagnosis not Confirmed	..	..	..	..	-
Refused Public Medical Treatment	..	..	..	..	-
Lost sight of	..	..	..	..	-
Emigrated	..	..	..	..	-
De-notified	..	..	..	..	-
					<hr/> 36 <hr/>

Three hundred and fifty-three persons remained on the Register at the 31st December, 1967. They consist of the following -

	Males	Females	Total
Pulmonary	184	121	305
Non-Pulmonary	27	21	48
	<hr/> 211 <hr/>	<hr/> 142 <hr/>	<hr/> 353 <hr/>

MASS RADIOGRAPHY

- Two routine visits of the radiography unit in connection with regular chest X-ray examinations of men over the age of 45 were made during 1967

INNOCULATION AGAINST TUBERCULOSIS

A substantial number of children have been vaccinated with B C G.

VENEREAL DISEASES

Dr. C. D. Routh the Medical Officer in charge of the Gravesend Clinic has kindly supplied the following statistics:-

	Males	Females	Total
New Patients - Gravesend:			
Syphilis	2	2	4
Gonorrhoea	25	15	40
Other conditions	67	30	97
	<u>94</u>	<u>47</u>	<u>141</u>
Total number of attendances			
from Gravesend area			329

VENEREAL DISEASE CLINIC (South-Eastern Metropolitan Hospital Board)

Dr. C. D. Routh is in attendance at the Gravesend Clinic, 22 Cobham Street (telephone Gravesend 3061), at the following times:-

TUESDAY

Male .. .	11.00 a.m. to 1.00 p.m.
Female .. .	1.00 p.m. to 2.00 p.m.

SATURDAY

Male and Female .. .	9.00 a.m. to 10.30 a.m.
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MEDICAL EXAMINATIONS

Ninety-four medical examinations were carried out on the staff of the Borough Council and six on the staff of the Medway Water Board.

CORONER'S INQUESTS

H.M. Coroner has kindly supplied the following information for the year 1967.

Total number of inquests	..	..	..	23
Number of inquests without post-mortems	..	..	..	-
Number of post-mortems without inquests	..	..	..	65

Verdicts:-

Accidental deaths	..	..	..	16
Suicides	..	..	..	5
Found drowned	..	..	..	-
Other verdicts	..	..	..	2

Mr. K. McIntyre, Chief Public Health Inspector, has supplied the statistics relating to Public Health Inspection Housing, Food, Factory Inspection and Atmospheric Pollution.

PUBLIC HEALTH INSPECTION

SUMMARY OF VISITS BY PUBLIC HEALTH INSPECTORS

Accumulations of Refuse	..	..	..	..	72
Agricultural Premises	..	..	..	..	1
Clean Air and Atmospheric Pollution	..	..	..	..	58
Drainage	..	..	..	..	647
Factories	..	..	..	..	309
Food Premises	..	..	..	..	1,843
Food Inspection and Complaints	..	..	..	..	169
Housing	..	..	..	..	2 394
Infectious Disease	..	..	..	..	62
Merchandise Marks Act	..	..	..	..	2
Miscellaneous	..	..	..	..	974
Offensive Trades	..	..	..	..	4
Offices Shops and Railway Premises	..	..	..	..	1,144
Pet Shops	..	..	..	..	14
Piggeries and Stables	..	..	..	..	11
Public Conveniences and Urinals	..	..	..	..	20
Rodent Control	..	..	..	..	340
Shops - Hours of Closing and Young Persons	..	..	..	..	65
Sampling	..	..	..	..	273
Verminous Premises	..	..	..	..	81
					<hr/>
					8,483

NOTICES SERVED

	<i>Informal</i>	<i>Statutory</i>
In respect of dwelling houses	176	21
In respect of other premises	245	

NUISANCES AND DEFECTS REMEDIED

Accumulations removed	..	..	..	..	21
Dustbins provided	..	..	..	..	54
Chimney stacks - repaired	..	..	..	..	2
Dampness - external walls repointed or rendered	..	..	..	..	21
- damp-proof courses provided	..	..	..	..	1
Doors and door sills repaired or renewed	..	..	..	..	12
Drainage - relaid	..	..	..	..	25
- unstopped	..	..	..	..	59
- I.C. chambers or covers provided or repaired	..	..	..	..	7
- soil and ventilating pipes removed	..	..	..	..	1
- soil and ventilating pipes provided or repaired	..	..	..	..	3
- gullies, etc. provided or repaired	..	..	..	..	6
- sewers unstopped	..	..	..	..	33
Floors relaid or repaired	..	..	..	..	24
Guttering or rainwater pipes renewed or repaired	..	..	..	..	22
Paving relaid or repaired	..	..	..	..	1
Roofs repaired	..	..	..	..	58
Rooms, passages and staircases - walls repaired	..	..	..	..	67
- ceilings repaired	..	..	..	..	27
- staircases repaired	..	..	..	..	3
Sinks - waste pipes renewed or repaired	..	..	..	..	10
Stone steps and thresholds renewed or repaired	..	..	..	..	1
Stoves and fireplaces renewed or repaired	..	..	..	..	3
Verminous premises disinfested	..	..	..	..	31
Water supply - water pipes etc. repaired	..	..	..	..	15
- internal supply provided	..	..	..	..	1
Water closets - repaired and/or cleansed	..	..	..	..	11
- rebuilt	..	..	..	..	1
- new pans	..	..	..	..	3
- pans cleansed or unstopped	..	..	..	..	10
- cisterns provided or repaired	..	..	..	..	10
- seats renewed or repaired	..	..	..	..	1
Windows - renewed or repaired	..	..	..	..	24
- sashcords and weights provided or repaired	..	..	..	..	18
- sills renewed or repaired	..	..	..	..	4

PET ANIMALS ACT. 1951

Seven premises are licensed within the district and 14 visits of inspection were made.

RODENT CONTROL

The following report summarises the work carried out by the Rodent Officer during the year 1967.

Number of properties inspected following notification	..	..	..	614
Number of properties found to be infested by:				
(a) Rats	..	..	..	368
(b) Mice	..	..	..	119

TREATMENT AGAINST RATS IN SEWERS

Test Baiting.

Number of manholes tested	..	..	..	290
Number of manholes showing bait taken	..	..	..	46

Treatment with Poison:

Number of manholes treated	..	..	..	224
Number of manholes showing complete takes	..	..	..	36
Number of manholes showing partial takes	..	..	..	5

HOUSING

Houses in which defects were remedied. -

After informal action	139
After formal notice under Public Health Acts ..	17

Houses Demolished. -

In or adjoining Clearance Areas. -

(a) Unfit for human habitation	52
(b) On land acquired under Section 43(2) Housing Act, 1957	12

Re-housing continued throughout the year from the area of the Peppercroft Street Compulsory Purchase Order 1963, and all the displacements listed were from houses included in this Order.

Number of persons displaced	465
Number of families displaced	172

RENT ACT 1957 - FIRST SCHEDULE

Applications for Certificates of Disrepair ..	Nil
Applications for Cancellation of Certificates ..	Nil

FACTORIES ACT 1961

The Council has the duty to enforce certain provisions of Parts I IV and VIII of the Factories Act, 1961.

Administrative arrangements include the following:-

Part I - Health (General Provisions)

- (1) Registration of all factories.
- (2) Inspection of sanitary conveniences in all factories.
- (3) Inspection with regard to cleanliness, over-crowding, temperature, ventilation and drainage of floors in all factories in which mechanical power is not used.

Part IV - Basement Bakehouses

- (1) The quinquennial examination of basement bakehouses and the renewal or cancellation of Certificates of Suitability.

Part VIII Home Work

- (1) Examination of lists, supplied to the Council by employers of outworkers in certain specified trades
- (2) Notification of name and place of employment of any home worker employed outside the Borough to the Council in whose district his employment is situated.
- (3) Inspection of premises in which the outworker pursues his occupation.

The provisions of the Act so far as they affect local authorities have been enforced.

PRESCRIBED PARTICULARS OF THE ADMINISTRATION
OF THE FACTORIES ACT, 1961
PART I

1. Inspections for purposes of provisions as to Health
(including inspections made by Public Health Inspectors)

Premises	Number on Register	Inspections	Written Notices	Owners Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by local authorities	3	25	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by local authorities	129	143	4	-
(iii) Other premises in which Section 7 is enforced by the local authority, (excluding outworkers premises)	15	121	3	-
	147	289	7	-

2 Cases in which defects were found:-

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred To H M Inspector	By H.M Inspector	
Want of cleanliness ..	-	-	-	-	-
Overcrowding ..	-	-	-	-	-
Unreasonable temperature	-	-	-	-	-
Inadequate ventilation ..	-	-	-	-	-
Ineffective drainage of floors	-	-	-	-	-
Sanitary Conveniences -					
(a) insufficient ..	2	3	-	-	-
(b) unsuitable					
or defective ..	9	14	-	-	-
(c) not separate for sexes	-	2	-	-	-
Other offences against the Act (not including offences relating to Outwork) ..	-	-	-	-	-
	11	19	-	-	-

PART VIII OF THE ACT
OUTWORK · SECTIONS 133 AND 134

Nature of Work	SECTION 133			SECTION 134		
	No of outworkers in August list re- quired by Sec 133(1) (c)	No of cases in default in sending lists to the Council	No of prosecu- tions for failure to supply lists	No. of instances of work in unwhole some premises	Notices served	Prose- cutions
Wearing apparel (making, etc.)	38	-	-	-	-	-
Furniture and Upholstery	2	-	-	-	-	-
Table linen	1	-	-	-	-	-
Stuffed toys	3	-	-	-	-	-
	44	-	-	-	-	-

BASEMENT BAKEHOUSES
PART IV OF THE ACT

Certificates of suitability are in operation in respect of two basement bakehouses.

OFFICES, SHOPS AND RAILWAY PREMISES ACT 1963

This Act, which came into force during 1964, makes fresh provisions for securing the health, safety and welfare of persons employed in certain non-industrial premises.

At 31st December, 1967, 658 premises had been registered in the following categories:-

Offices	..	..	..	150
Retail shops	..	..	..	417
Wholesale shops and warehouses	..	..	..	18
Catering establishments	..	..	..	73

The number of persons employed in the 658 premises is:-

Males	..	1 822
Females	..	2 909
		<u>4 731</u>

Analysis of persons employed in classes of workplace:-

Offices	..	..	..	1 419
Retail shops	..	..	..	2 560
Wholesale shops and warehouses	..	..	..	235
Catering establishments open to the public				490
Canteens	..	..	..	27
				<u>4 731</u>

The following figures show the work carried out during 1967:-

Number of registered premises receiving a general inspection	391
Number of visits of all kinds by Inspectors to registered premises ..	1,144
Number of notices or requests made regarding infringements	93
Number of notices or requests complied with ..	122

The 122 notices and requests complied with during 1967 comprised 209 items, classified as follows:-

Section 4	To cleanse premises	3
" 5	To abate overcrowding	1
" 6	To provide or improve heating	5
" 6	To provide thermometers	18
" 7	To provide or improve ventilation	2
" 8	To provide or improve lighting	2
" 9	To provide or improve sanitary conveniences	24
" 10	To provide or improve washing facilities ..	22
" 13	To provide sitting facilities	4
" 15	To provide eating facilities	1
" 16	To provide handrails, etc; to keep stairs and passageways clear ..	16
" 17	To fence exposed parts of machinery ..	13
" 24	To provide first-aid equipment	24
" 50	To provide information for employees ..	74

ACCIDENTS

The number of accidents reported during the year under Section 48 was 13.

FOOD

There are 462 food premises in the district:-

Bakehouses	..	..	..	7
Bread and cake shops	..	..	..	22
Butchers shops	..	..	..	39
Catering premises and canteens	..	..	..	73
Confectionery shops	..	..	..	62
Dairies ..	..	..	..	1
Fish shops	..	..	..	19
Fruit and greengrocery shops	..	..	..	29
Licensed premises	..	..	..	88
Miscellaneous	..	..	..	11
Provision shops	..	..	..	111
				<hr/>
				462
				<hr/>

Attention is devoted to enforcing the Food Hygiene (General) Regulations 1960 and for this purpose 1,843 visits were made to food premises and 70 notices served.

MILK

Milk and Dairies (General) Regulations 1959.

Registered Dairies	..	..	1
Registered Milk Distributors	..	..	77

Milk (Special Designation) Regulations 1963:

Licences issued to operate until 31st December, 1970 are as follows -

Dealers (Pasteurisers) Licences	..	1
Dealers (Prepacked Milk) Licences	..	134

There is one pasteurising plant in the area dealing with approximately 14,500 gallons per day.

Biochemical Examinations.

Results of samples taken were as follows:

Designation	Test	Results	
Pasteurised	Methylene Blue Test	Satisfactory	79
		Unsatisfactory	4
	Phosphatase Test	Satisfactory	83
		Unsatisfactory	-
Sterilised	Turbidity	Satisfactory	12
		Unsatisfactory	-

Chemical Analysis:

Twenty eight samples of milk were submitted for analysis and all were found to be satisfactory.

ICE CREAM

Premises registered under Section 16 of the Food and Drugs Act 1955: -

For the sale of ice cream	125
For the manufacture and sale of ice cream	6

Bacteriological Examination:

Samples were classified as follows: -

Grade 1	..	..	..	..	39
Grade 2	..	..	..	..	4
Grade 3	..	..	..	..	8
Grade 4	..	..	..	..	2

The samples classified within Grades 3 and 4 were either soft or loose ice cream.

Chemical Analysis:

Two samples of ice cream were submitted for analysis and found to be satisfactory.

INSPECTION OF FOOD

The Public Health Inspectors spend a great deal of their time on food inspection, and a large quantity of food was surrendered as unfit for human consumption during the year.

The surrendered food is disposed of at the joint refuse tip at Northfleet, under supervision.

Food and Drugs Act, 1955

Samples taken during the year and submitted for analysis were as follows:-

Article	Result of Analysis	
	Satisfactory	Unsatisfactory
Angelica	1	
Apple turnover	1	
Bread and Biscuits	2	
Cheese	1	
Chicken pie	1	
Coffee	1	
Colouring matter	1	
Cream	2	
Custard	1	
Drinks soft	3	
Drugs, medical preparations	17	1
Dripping	1	
Foods, baby	1	
Flavourings, Essences	2	
Fruit, canned	9	
Fruit, dried	5	
Fruit, juices	2	
Herbs, Spices, Condiments	3	
Ice cream	2	
Ice lollies	2	
Jellies	2	
Jams	1	
Lentils	1	
Lard	1	1
Margarine	1	1
Marzipan	1	
Meat products	8	2
Mince pie	1	
Milk	28	
Milk powder substitute	1	1
Pickles	1	
Carried forward	104	6

Article	Result of Analysis	
	Satisfactory	Unsatisfactory
Brought forward	104	6
Sauces, Ketchups - various	6	
Sausage rolls	1	
Sugar confectionery	6	
Thicker Topping (canned)	1	
Vegetables	6	
Vinegar	1	
Yeast, dried	1	
	126	6

Particulars of Samples Adulterated or Otherwise Unsatisfactory

Sample
No

- | | |
|-----|--|
| 755 | <u>Margarine. Unsatisfactory label.</u> The attention of the manufacturer was drawn to the Public Analyst's comments on this label. |
| 781 | <u>Borax and Honey. B P C. 1959. Outdated label.</u> The attention of the retailer was drawn to the Public Analyst's comments. |
| 782 | <u>Lard. Exaggerated label.</u> The attention of the retailer was drawn to this matter and notification was received from the suppliers that the present wording would not be embodied on future labels. |
| 803 | <u>Pork Sausages. Contained undeclared preservative.</u> The attention of the retailer was drawn to this matter and the required notice was immediately provided. |
| 804 | <u>Beef Chipolatas. Contained undeclared preservative.</u> The attention of the retailer was drawn to this matter and the required notice was immediately provided. |
| 841 | <u>Milk Substitute Powder. No specific description.</u> This matter was drawn to the attention of the distributor who agreed to change the label if this product was imported in the future. |

Food Complaints

Some 54 complaints were received involving foreign bodies, mould etc. in food. Two of these were reported to the Health Committee and one warning letter was sent.

BACTERIOLOGICAL EXAMINATION OF DRINKING WATER

	Date taken	Probable numbers per 100 ml		Plate count per ml.
		Coliform bacilli	Bact. Coli (type 1)	
1. Leith Park Road Pumping Station (treated)	17 1 67	1	None	
	28 2 67	None		
	28 3 67	None		
	18 4 67	None		
	9 5 67	None		
	26 6 67	None		
	18 7 67	1	None	
	23 8 67	None		
	12 9 67	None		
	17 10 67	None		
	28 11 67	None		

BACTERIOLOGICAL EXAMINATION OF DRINKING WATER

	Number of Samples	Date taken	Probable numbers per 100 ml		Plate count per ml
			Coliform bacilli	Bact Coli (type 1)	
2. Domestic Supplies (treated)	3	17 1 67	None		
	3	28 2 67	None		
	3	28 3 67	None		
	3	18 4 67	None		
	3	9 5 67	None		
	3	26 6 67	2 +		None
	2	4 7 67	1		None
	3	18 7 67	2 +		None
	3	23 8 67	None		
	3	12 9 67	None		
	3	17 10 67	None		
	3	28 11 67	None		

CHEMICAL ANALYSIS OF DRINKING WATER

Date taken:	December 1967
Appearance:	Clear, bright
Odour:	None
pH Value	7.1

	<i>Parts per million</i>
Free Ammonia	Nil
Albuminoid Ammonia	Nil
Nitrogen as Nitrites	Nil
Nitrogen as Nitrates	13.00
Chlorine as Chloride	28.00
Alkalinity (CaCO ₃)	260.00
Total Hardness	332.00
Permanent Hardness	72.00
Sulphate	15.00
Oxygen absorbed from Permanganate in 4 hours at 80°F	0.05
Total Solids	450.00

Microscopic examination	Revealed very little mineral or vegetable matter.
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OPINION: Chemically this water was satisfactory and the lead content was less than 0.02 parts per million.

BACTERIOLOGICAL EXAMINATION OF BATHING POOL WATER

	Date taken	Where taken	Probable numbers per 100 ml.		Plate count per ml
			Coliform bacilli	Bact Coli (type I)	
(a) Corporation Pool	23 5 67	Deep end Shallow end Paddling pool	None	None	None
			None	None	None
			None	None	None
	13 6 67	Deep end Shallow end Paddling pool	None	None	None
			None	None	1
			None	None	2
	11 7 67	Deep end Shallow end paddling pool	None	None	Uncountable
			None	None	Uncountable
			None	None	42
	8 8 67	Deep end Shallow end Paddling pool	None	None	None
			None	None	None
			None	None	None
	12 9 67	Deep end Shallow end Paddling pool	None	None	None
			None	None	None
			None	None	None

BACTERIOLOGICAL EXAMINATION OF BATHING POOL WATER

	Date taken	Where taken	Probable numbers per 100 ml.		Plate count per ml.
			Coliform bacilli	Bact. Coli (type 1)	
(b) School Pools	23 5 67	St. Joseph's Convent	None		None
		Riverview	None		None
		Whitehill	None		None
		King's Farm	None		None
		Cecil Road	None		None
		Wrotham Road	None		None
		Westcourt	None		None
	13 6 67	Westcourt	None		None
		Whitehill	None		6
		King's Farm	None		8
		St. Joseph's Convent	2 or more	2 or more	Uncountable
	26 6 67	Riverview	None		4
		Wrotham Road	None		7
	26 6 67	Boys' Grammar	1	None	None
		St. Joseph's Convent	None		83

BACTERIOLOGICAL EXAMINATION OF BATHING POOL WATER

	Date taken	Where taken	Probable numbers per 100 ml		Plate count per ml
			Coliform bacilli	Bact. Coli (type I)	
(b) School Pools (contd.)	11 7 67	Wrotham Road	None	None	Uncountable
		Cecil Road	1		Uncountable
		Whitehill	None		18
		Westcourt	None		Uncountable
		King's Farm	None		Uncountable
		St. Joseph's Convent	None		214
		Boys' Grammar	None		Uncountable
	18. 7. 67	Cecil Road Riverview	None		21
			None		80
	8 8. 67	Boys' Grammar	None		None
	12. 9. 67	Westcourt	None		None
		Whitehill	None		None
		Cecil Road	None		None
		St. Joseph's Convent	1	None	Uncountable
		Wrotham Road	None		None
	17 10. 67	Boys' Grammar	None		4

ATMOSPHERIC POLLUTION

Data extracted from the Analyst's monthly reports was supplied to the Thameside Joint Committee in the form shown in the following tables

(See notes at end of tables for details of abbreviations)

Site: Dashwood Lane Nurseries

Month	Rain mm	pH Value	Deposit (grams per 100 square metres)								
			TWIM	S/CS2	Ash	OCM	TWSM	Ca	Cl	SO4	TS
1966 Oct.	70	6.2	822	4	266	551	220	42	47	190	1041
Nov.	33	6.6	422	3	328	92	508	81	50	224	930
Dec.	64	5.2	333	2	271	60	534	99	58	263	867
1967 Jan.	31	6.7	261	4	220	38	468	92	59	211	730
Feb.	40	6.8	259	1	198	60	369	69	65	175	628
Mar.	34	6.7	313	4	237	72	356	52	50	194	669
Total	272	38.2	2410	18	1520	873	2455	435	329	1257	4865
Mean	45	6.4	402	3	253	146	409	73	55	209	811

Apr.	58	6.4	433	5	368	61	528	62	50	225	962
May *	-	-	-	-	-	-	-	-	-	-	-
June	57	6.4	536	1	423	112	301	51	50	143	837
July	21	6.9	83	11	55	17	161	25	13	84	244
Aug.	37	6.4	353	4	216	133	277	26	29	220	630
Sep. **	-	-	-	-	-	-	-	-	-	-	-
Total	173	26.1	1405	21	1062	323	1267	164	142	672	2673
Mean	43	6.5	351	5	265	81	317	41	35	168	668

Site: Swimming Pool

Month	Rain mm	pH Value	Deposit (grams per 100 square metres)								
			TWIM	S/CS2	Ash	OCM	TWSM	Ca	Cl	SO4	TS
1966 Oct. **	-	-	-	-	-	-	-	-	-	-	-
Nov.	31	6 0	334	6	242	86	395	61	47	176	729
Dec.	56	5 4	497	8	294	195	484	36	84	332	981
1967 Jan.	26	6 2	310	5	244	61	413	74	36	18	724
Feb.	40	5.4	296	5	211	79	334	55	53	249	630
Mar.	27	6.4	358	3	271	84	357	57	51	235	714
Total	180	29 4	1795	27	1262	505	1983	283	271	1010	3778
Mean	36	5 9	359	5	252	101	397	57	54	202	756

Apr. **	-	-	-	-	-	-	-	-	-	-	-
May	74	6.1	342	5	258	79	525	44	47	249	867
June	58	6.7	424	3	318	104	321	41	61	152	745
July	24	7.0	252	3	180	69	167	31	16	70	419
Aug.	41	6.4	262	11	175	76	269	37	24	236	530
Sep.	38	6.7	405	9	265	127	484	61	29	200	890
Total	235	32 9	1685	31	1196	455	1766	214	177	907	3451
Mean	47	6 6	337	6	239	91	353	43	35	181	690

Abbreviations:

TWIM	Total water insoluble matter
S/CS2	Soluble carbon disulphide
OCM	Other combustible matter
TWSM	Total water soluble matter
Ca	Calcium
Cl	Chloride
SO4	Calculated as sulphate
TS	Total solids

* No results available due to heavy growth of algae

** No results available due to faulty gauge

ATMOSPHERIC POLLUTION

Site	Rainfall inches	Measurement of Deposited Matter by Deposit Gauges		
		Insoluble Deposit (tons per square mile)	Soluble Deposit	Total Deposit
DASHWOOD LANE NURSERIES				
1967				
January	1.21	6.67	11.94	18.61
February	1.59	6.61	9.40	16.01
March	1.32	7.99	9.07	17.06
April	2.31	11.05	13.47	24.52
May *	3.17	-	-	-
June	2.23	13.66	7.67	21.33
July	0.81	2.12	4.10	6.22
August	1.45	9.01	7.07	16.08
September **		-	-	-
October	1.34	4.47	4.54	9.00
November	0.24	9.93	3.92	13.85
December	1.69	15.12	12.27	27.39
Mean	1.58	8.66	8.34	17.00
SWIMMING POOL				
1967				
January	1.02	7.91	10.54	18.45
February	1.56	7.54	8.52	16.06
March	1.07	9.12	9.09	18.21
April **	0.78	-	-	-
May	2.91	8.72	13.39	22.11
June	2.29	10.82	8.19	19.01
July	0.95	6.43	4.26	10.69
August	1.61	6.67	6.85	13.52
September	1.51	10.34	12.35	22.69
October	1.30	4.47	5.00	9.47
November	1.26	7.09	8.46	15.55
December	1.38	8.56	9.46	18.02
Mean	1.47	7.97	8.73	16.70

* No results available due to heavy growth of algae

** No results available due to faulty gauge

